Product Name: **MUC1 Mouse Monoclonal Antibody**
Catalog #: **AMM22093**
For research use only.

Summary

Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

Application

Dilution Ratio	IHC 1:50-200;ELISA 1:500-5000
Molecular Weight	Calculated MW:122kDa,Observed MW:122kDa

Antigen Information

Gene Name	MUC1 PUM
Alternative Names	Mucin-1;MUC-1;Breast carcinoma-associated antigen DF3;Carcinoma-associated mucin;Episialin;H23AG;Krebs von den Lungen-6;KL-6;PEMT;Peanut-reactive urinary mucin;PUM;Polymorphic epithelial mucin;PEM;Tumor-associated epithelial membrane antigen;EMA;Tumor-associated mucin;CD antigen CD227;[Cleaved into: Mucin-1 subunit alpha;MUC1-NT;MUC1-alpha;Mucin-1 subunit beta;MUC1-beta;MUC1-CT;]
Gene ID	Human:4582
SwissProt ID	Human:P15941
Immunogen	Synthesized peptide derived from human Epithelial Membrane Antigen(MUC1) AA range: 100-200

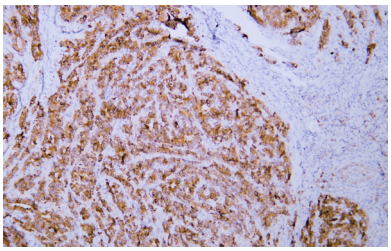
Background

This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate sp

Research Area

Pathology

Image Data



Human gastric adenocarcinoma tissue was stained with Anti-MUC1 Antibody